Comparisons of Job Characteristics

Focus Occupation: Dental Assistants (31-9091)
Associated Occupation: Dental Hygienists (29-2021)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Dental Assistants (31-9091)
Associated Occupation: Dental Hygienists (29-2021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	17.7	15.5	<	Expanded education and/or training may be required
Customer and Personal Service	11.3	14.9	15.9	0	Current knowledge level may be sufficient
Psychology	6.4	13.2	7.7	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	8.8	5.2	<<	Extensive education and/or training may be required
Biology	3.7	8.2	3.5	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Dental Assistants (31-9091)
Associated Occupation: Dental Hygienists (29-2021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Active Listening	11.0	12.4	9.7	<	A higher skill level may be required
Service Orientation	7.9	9.0	9.3	0	Current skill level may be sufficient
Science	4.5	7.7	5.1	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Dental Assistants (31-9091)
Associated Occupation: Dental Hygienists (29-2021)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Comprehension	12.5	12.5	12.0	0	Current ability level may be sufficient
Oral Expression	12.4	12.5	11.5	0	Current ability level may be sufficient
Problem Sensitivity	11.1	12.2	9.0	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.8	9.6	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.1	10.2	0	Current ability level may be sufficient
Near Vision	11.1	11.0	10.6	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.5	8.4	<	Some improvement in abilities may be required
Written Expression	9.8	10.5	9.2	<	Some improvement in abilities may be required
Extent Flexibility	4.8	7.5	7.3	0	Current ability level may be sufficient
Wrist-Finger Speed	3.2	4.6	4.8	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Dental Assistants (31-9091)
Associated Occupation: Dental Hygienists (29-2021)

Work Activities	Exclusivity of Activity
Follow dental or medical x-ray procedures	81
Maintain dental or medical records	64
Observe patient condition	48
Operate dental equipment	89
Perform dental hygiene procedures	95
Prepare patient for dental work	99
Record medical history or data	68
Set up dental equipment	99
Use clinical sterilizing technique	71
Use dental treatment procedures	87
Use knowledge of medical terminology	40

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Dental Assistants (31-9091)
Associated Occupation: Dental Hygienists (29-2021)

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Blood pressure units and related products	11
Business function specific software	1
Computers	1
Content authoring and editing software	1
Dental and subspecialty instruments and devices	37
Dental clinical furniture	80
Dental fillers and finishing and polishing supplies	47
Dental hygiene and preventive care equipment and supplies	70
Dental imaging equipment and supplies	47
Dental impression and forming equipment and supplies	56
Dental laboratory and sterilization equipment and supplies	62
Dental lasers and illumination and fiber optic equipment and supplies	62
Dental materials	70
Dental operatory specific supplies	80
Finance accounting and enterprise resource planning ERP software	2
General dental supplies	70
Industry specific software	1
Information exchange software	1
Medical radiation detection or monitoring products	31
Medical radiological shielding and protection products	31
Network applications software	1
Oxygen therapy delivery systems and devices	13
Presterilization cleaning equipment and solutions	24

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.